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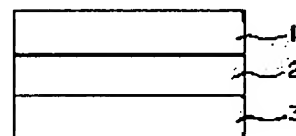
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(54) FUNCTIONALLY GRADIENT MATERIAL AND ITS PRODUCTION

(57)Abstract:

PROBLEM TO BE SOLVED: To produce a functionally gradient material free from the generation of warps and cracks and to provide a method for producing the same.

SOLUTION: This is a functionally gradient material composed of a high m.p. material contg. a low m.p. material high in thermal conductivity, and in which the relative density of the high m.p. material to the low m.p. material continuously or stepwise changes from one side to the other side, and the high relative density side of the high m.p. material is composed of a high m.p. metal or alloy 1 having high ductility and high strength.



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